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January 28, 2005

**VIA FACSIMILE**

To: Examiner Sara W. Crane  
Group Art Unit No. 2811  
U.S.P.T.O.

Facsimile No.: (703) 872-9306

From: Frederick E. Cooperrider

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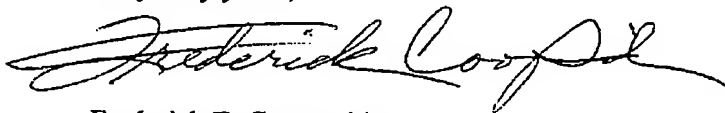
Re: Enclosed Amendment and Response to Restriction Requirement  
U.S. Patent Application Serial No. 10/648,346  
Attorney Docket No.: YOR920030106US1  
Our Reference: YOR.444

Dear Examiner Crane:

Enclosed is an Amendment and Response to Restriction Requirement responsive to the January 13, 2005 Office Action, which we request that you enter and which should place the above-referenced case in condition for allowance.

Thank you in advance for your consideration on this case.

Very truly yours,



Frederick E. Cooperrider  
Registration No. 36,769

FEC:jkm  
Enclosure  
Total No. of Pages Transmitted: 9

**JAN 28 2005**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Newns et al

Serial No.: 10/648,346

Group Art Unit: 2811

Filed: August 27, 2003

Examiner: Crane, S.

For: A GRADIOMETER-BASED FLUX QUBIT FOR QUANTUM COMPUTING AND  
METHOD THEREFOR

Commissioner for Patents  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT**

Sir:

In response to the Election/Restrictions Requirement in the Office Action dated January 13, 2005, please amend the above-identified Application as follows and consider the response in the Remarks section herein: